Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

# Data Sheet
## Fujitsu ESPRIMO E5731 E-Star5 Desktop PC

Your desktop without compromises

As a small form factor PC the ESPRIMO E5731 E-Star5 is the ideal choice for your desk. Depending on the space you have available, you can position the PC vertically or horizontally - without an additional base. Equipped with Intel® chipset and processor technology and DDR3 memory support, this PC provides the best possible performance levels to meet the requirements of your daily business applications - and at the same time remains efficient and quiet. Furthermore, this device is equipped with an up to 87% efficient power supply that already meets the ENERGY STAR® criteria. Thus you achieve a considerably better energy balance, protecting both the environment and your budget.

**Small form factor PC**
Flexible desktop solution whatever the space required
- Less than 13 litres volume, can be positioned vertically and horizontally

**ENERGY STAR®**
Low power consumption and low costs, without any loss in performance
- Power supply with up to 87% efficiency and enhanced power management settings

**Environmentally compatible product**
Your contribution to environmental protection for the continued existence of our planet
- Halogen-free mainboard, sophisticated product concept for the entire lifecycle

**Silent operation**
Pleasant working environment due to an extremely quiet system
- Innovative hardware design, optimized cooling concept

**Serviceablitiy**
Easy to extend and optimal user-friendliness without any additional tools
- Easy access to all replaceable and expandable components

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

# Components

| | |
|---|---|
| **Processor** | Intel® Core™2 Quad processor Q9550 (4 Cores / 4 Threads, 2.83 GHz, 12 MB, 1333 MHz) |
| | Intel® Core™2 Quad processor Q9505 (4 Cores / 4 Threads, 2.83 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Quad processor Q8300 (4 Cores / 4 Threads, 2.5 GHz, 4 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8600 (2 Cores / 2 Threads, 3.33 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8500 (2 Cores / 2 Threads, 3.16 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8400 (2 Cores / 2 Threads, 3.0 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E7600 (2 Cores / 2 Threads, 3.06 GHz, 3 MB, 1066 MHz) |
| | Intel® Core™2 Duo processor E7500 (2 Cores / 2 Threads, 2.93 GHz, 3 MB, 1066 MHz) |
| | Intel® Pentium® processor E6600 (2 Cores / 2 Threads, 3.06 GHz, 2 MB, 1066 MHz) |
| | Intel® Pentium® processor E5800 (2 Cores / 2 Threads, 3.2 GHz, 2 MB, 800 MHz) |
| | Intel® Celeron® processor E3400 (2 Cores / 2 Threads, 2.6 GHz, 1 MB, 800 MHz) |
| **Operating system** | |
| **Operating system** | Genuine Windows® 7 Home Basic (EM) 32-bit<br>Genuine Windows® 7 Home Premium 64-bit<br>Genuine Windows® 7 Professional 32-bit<br>Genuine Windows® 7 Professional 64-bit |
| **Operating system compatible** | openSUSE Linux<br>Genuine Windows Vista®<br>Genuine Windows® XP |
| **Operating system notes** | Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.<br>Limited Windows XP support. Microsoft discontinued Windows XP certification on system level. |
| **Memory modules** | 1 GB (1 module(s) 1 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| **Hard disk drives (internal)** | SSD SATA, 128 GB, 2.5-inch |
| | SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, business critical |
| | SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. |
| | CF module IDE, 2 GB, (300x) |
| | Supporting NCQ and 3 GBit<br>CF Modules for thin client usage (with or without embedded software) |
| **Graphics add on cards (optional)** | NVIDIA® Quadro® NVS 290 low profile, 256 MB |
| | NVIDIA® GeForce® GT 420 |
| | NVIDIA® GeForce® 405 display port low profile, 512 MB |
| | DVI Extension Adapter |
| | DVI-D + DisplayPort Extension Adapter |
| | DP to DVI-D (single link) Adapter Cable |
| **Drives (optional)** | 1.44 MB Floppy |
| | Blu-ray Disc™ Triple Writer |
| | DVD-ROM |
| | DVD Super Multi |
| | MultiCard Reader 20in1, USB 2.0, 3.5-Inch |
| | MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch |

| | |
|---|---|
| **Interface add on cards/components (optional)** | |
| | USB 3.0 PCIe x1 |
| | Parallel Interface |
| | FireWire PCI-Card IEEE1394 |
| | eSATA Interface |
| | Dual serial card PCI LP |
| **Base unit** | ESPRIMO E5731 E-Star5 |
| **Mainboard** | |
| **Mainboard type** | D3024 |
| **Formfactor** | proprietary |
| **Chipset** | Intel® Q43 |
| **Processor socket** | LGA 775 |
| **Processor quantity maximum** | 1 |
| **System bus (FSB / HT / QPI)** | up to 1333 MHz |
| **Memory slots** | 4 DIMM (DDR3) |
| **Supported capacity RAM (max.)** | 16 GB |
| **Memory frequency** | 1066 MHz |
| **Memory notes** | Dual channel support.<br>For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules). |
| **LAN** | 10/100/1000 MBit/s Intel® 82567 LF |
| **BIOS version** | Phoenix 6.0 |
| **BIOS features** | BIOS Flash EPROM update by software<br>Recovery BIOS |
| **Audio codec** | Realtek ALC663 |
| **Audio features** | Internal speaker supports audio playback, High Definition audio |
| **I/O controller on board** | |
| **Serial ATA total** | 4 |
| **thereof eSATA** | 2 (optional) |
| **Controller functions** | Serial ATA II<br>NCQ and 3 GBit<br>AHCI |
| **Interfaces** | |
| **Audio: line-in** | 1 |
| **Audio: line-out** | 1 |
| **Front audio: microphone** | 1 |
| **Front audio: headphone** | 1 |
| **USB 2.0 total** | 12 |
| **USB front** | 2 |
| **USB rear** | 6 |
| **USB internal** | 4 |
| **VGA** | 1 |
| **DisplayPort** | 1 (optional) |
| **DVI** | 1 (optional) |
| **Serial (RS-232)** | 2 (9pin, 16 byte FIFO, 16550 compatible) |
| **Mouse / Keyboard (PS/2)** | 2 |
| **Ethernet (RJ-45)** | 1 |
| **Parallel** | 1 (optional) (25pin with EPP and ECP) |
| **Interface Module notes** | Anytime USB charge functionality |

| | |
|---|---|
| **Input device / components** | |
| | Optical USB tilt wheel mouse |
| **Input devices (optional)** | Optical USB/PS2 tilt wheel mouse |
| **Drive bays** | |
| **Drive bays total** | 3 |
| **3.5-inch internal bays** | 1 |
| **3.5-inch external bays** | 1 |
| **5.25-inch external bays** | 1 |
| **Drive bay notes** | optional external bay as internal 3,5" |
| **Slots** | |
| **PCI-Express 2.0 x16** | 1 x (210 mm) Low profile |
| **PCI-Express x4 (mech. x8)** | 1 x (210 mm) Low profile |
| **PCI (32-bit / 33 MHz)** | 2 x (190 mm) Low profile |
| **Slots optional configuration** | or 1x PCI Express x16 low profile (190mm) and via Riser 2 x PCI full heigh (174 / 210 mm) |
| **Graphics on board** | |
| **Graphics brand name** | Intel® GMA 4500 |
| **Shared video memory** | up to 1759 MB |
| **Refresh rate 1024 x 768 (recommended / max.)** | 85 Hz / - |
| **Refresh rate 1280 x 1024 (recommended / max.)** | 85 Hz / - |
| **Refresh rate 1600 x 1200 (recommended / max.)** | 85 Hz / - |
| **TFT resolution (VGA)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| **TFT resolution (DVI)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| **TFT resolution (DisplayPort)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel<br>2560 x 1440 pixel<br>2560 x 1600 pixel |
| **Graphics features** | Dual display support (optional with DVI/DP extension adapter)<br>DirectX 10<br>HDCP support<br>OpenGL® 2.0 |
| **Graphics notes** | Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size and operating system<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend using 60Hz |
| **Electrical values** | |
| **Power efficiency note** | power supply efficiency (at 230V; 20% / 50% / 100% load) : 84% / 87% / 85%) |
| | 0-Watt mode with hard-off switch |

| | |
|---|---|
| **Electrical values** | |
| Rated voltage range | 100 V - 240 V |
| Rated frequency range | 50 Hz - 60 Hz |
| Operating voltage range | 90 V - 264 V |
| Operating line frequency range | 47 Hz - 63 Hz |
| Max. output of single power supply | 250 W |
| Power factor correction/active power | active |
| Monitor outlet | No |
| **Power consumption** | |
| Power consumption note | See white paper Energy Consumption<br>0-Watt mode with hard-off switch |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=e9315fdf-a1ac-4fe2-ae37-80d3a0028f55 |
| **Heat dissipation** | |
| Heat dissipation notes | See white paper Energy Consumption |
| **Noise for standard configuration (HDD, ODD, FDD)** | |
| Noise emission | According to ISO9296 |
| Related Processors for noise | Intel® Core™2 Duo E8600 |
| Noise Operation mode 1: ODD load (Blue angel requirement) | 4.5 B / 30 dB(A) |
| Noise Operation mode 2: HDD load (Blue angel requirement) | 3.5 B / 19 dB(A) |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 3.5 B / 19 dB(A) |
| Noise Operation mode 4: High load | 3.5 B / 19 dB(A) |
| Noise Operation mode 5: Office applications | 3.5 B / 19 dB(A) |
| Idle mode (Blue Angel requirement) | 3.5 B / 19 dB(A) |
| Noise notes / description | A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position |
| **Dimensions / Weight / Environmental** | |
| Dimensions (W x D x H) | 340 x 380 x 100 mm |
| Operating position | Vertical / horizontal (no feet needed) |
| Weight | approx. 10 kg |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 10 - 35°C |
| **Compliance** | |
| Product | ESPRIMO E5731 |
| Model | DT7-3024 |
| Germany | Blauer Engel / Blue Angel<br>GS optional |
| Europe | CE<br>Nordic Swan |
| USA/Canada | FCC Class B<br>cCSAus |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR® 5.0<br>EPEAT® Silver (dedicated regions) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |

| | |
|---|---|
| **Additional Software** | |
| **Additional software (preinstalled)** | Nero Essentials S (burning software) |
| **Additional software (optional)** | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics)<br>Nero 9 Essentials XL |
| **Miscellaneous** | |
| | Thermal management<br>Keyboard on (Special Fujitsu keyboard required)<br>Extended lifetime |
| **Compatibility (references)** | |
| | DMI 2.0<br>PC 2001<br>WMI 1.5<br>USB 2.0<br>SMBIOS |
| **Manageability** | |
| **Manageability features** | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>Intrusion switch (optional)<br>Intel® Standard Manageability |
| **Manageability type** | DeskView 10.x client management including: |
| **DeskView features** | On/Offline remote client management<br>Detailed system inventory management and reports<br>BIOS Management<br>Remote power management<br>System notifications<br>Advanced alerts (ASF implementation)<br>Security Remote Control<br>DeskView Helpdesk Integration<br>WoL (Wake on LAN) |
| **Manageability link** | http://ts.fujitsu.com/manageability<br>http://www.altiris.com/fujitsu |
| **Security** | |
| **Physical security** | Kensington Lock support<br>Eye for padlock<br>Optional: Integrated cabinet lock |
| **System security** | Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2)<br>Control of all USB interfaces<br>External USB ports can be disabled separately<br>Boot protection for floppy disk / CD drive and write protection for floppy disk drive<br>Control of external interfaces |
| **User security** | User and supervisor BIOS password<br>SystemLock 2 BIOS SmartCard Security<br>Hard disk password<br>Optional: Access protection via external SmartCard reader<br>Optional: Access protection via internal SmartCard reader |

| Serviceability | |
|---|---|
| | FlexySlot<br>EasyFix<br>EasyChange for HDD<br>EasyChange for optical drives |

| Packaging information | |
|---|---|
| **Packaging dimension** | 500x290x540 mm |
| **Max. quantity / pallet** | 24 |
| **Material - Weight (g) Carton** | 1270 g |
| **Material - Weight (g) EPS / PS** | 230 g |
| **Material - Weight (g) PE** | appr. 60 g |
| **Packaging notes** | printed user documentation is bleached in chlorine free process |

| Warranty | |
|---|---|
| **Standard Warranty** | 1 year |
| **Service level** | Bring-In / On-Site Service (depending on country) |

Maintenance and Support Services - the perfect extension

| | |
|---|---|
| **Recommended Service** | 5x9, Response Time: Next Business Day |
| **Spare Parts availability** | 5 years |
| **Service Weblink** | http://ts.fujitsu.com/Supportservice |

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

# More information

## Fujitsu platform solutions

In addition to Fujitsu ESPRIMO E5731 E-Star5 , Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Dynamic Infrastructures**
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

**Computing Products**
www.fujitsu.com/global/services/computing/

**Software**
www.fujitsu.com/software/

## More information

Learn more about Fujitsu ESPRIMO E5731 E-Star5 , please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/ESPRIMO

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/

## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

Contact
FUJITSU Technology Solutions
Website: http://ts.fujitsu.com
2011-03-23 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.
Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions